



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Patent Application

Applicant(s) Axelrod et al.
Docket No.: YOR920000210US2
Serial No.: 09/838,449
Filing Date: April 19, 2001
Group: 2123
Examiner: Thomas H. Stevens

I hereby certify that this paper is being deposited on this date with the U.S. Postal Service as first class mail addressed to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450

Signature: Jim Maurer Date: September 13, 2006

Title: Determining and Using Acoustic Confusability, Acoustic Perplexity and Synthetic Acoustic Word Error Rate

INFORMATION DISCLOSURE STATEMENT

Commissioner of Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

Pursuant to 37 C.F.R. §§1.17(p) 1.56, 1.97 and 1.98, Applicants' attorney wishes to bring to the attention of the Patent and Trademark Office the following documents listed on the accompanying PTO Form 1449.

U.S Patents

1. U.S. Patent No. 4,707,858

Copies of each of the following listed items are enclosed:

Other Documents

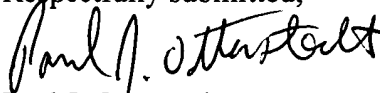
2. Bahl et al., "A Maximum Likelihood Approach to Continuous Speech Recognition," IEEE Transactions on Pattern Analysis and Machine Intelligence, Vol. PAMI-5, No. 2, pgs. 179-190 (March 1983).
3. Clarkson et al., "The Applicability of Adaptive Language Modelling for the Broadcast News Task," Proceedings of the Fifth International Conference on Spoken Language Processing, Sydney, Australia, pg. 2 (November 1998).
4. Gopalakrishnan et al., "An Inequality for Rational Functions with Applications to Some Statistical Estimation Problems," IEEE Transactions on Information Theory, Vol. 37, No. 1, pgs. 107-113 (January 1991).
5. Jelinek, F., "Statistical Methods for Speech Recognition," The MIT Press, Cambridge, MA, Sec. 8.3 re perplexity, pg 2 (1999).
6. Printz et al., "Theory and Practice of Acoustic Confusability," Proceedings of the ISCA ITRW ASR2000, pgs. 77-84 (September 18-20, 2000).

U.S. Patent No. 4,707,858 to Fette was cited by Examiner Stevens but not listed on the PTO-892, and as discussed with Examiner Stevens, is included in this Information Disclosure Statement to ensure that it appears on the face of the issued patent.

Please charge the amount of \$180.00 in accordance with 37 C.F.R. §1.17(p) to **Deposit Account No. 50-0762**. In the event of non-payment or improper payment of a required fee, the Commissioner is authorized to charge or the credit **Deposit Account No. 50-0762** as required to correct the error.

The filing of this Information Disclosure Statement shall not be construed as a representation that a search has been made, or as an admission that the information cited is considered to be material to patentability or as a representation that no other material information exists.

Respectfully submitted,

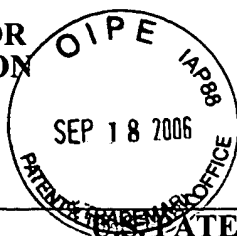


Dated: September 13, 2006

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FORM PTO-1449 (MODIFIED)

**LIST OF PUBLICATIONS FOR
APPLICANT'S INFORMATION
DISCLOSURE STATEMENT**



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US PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NO.	DATE	NAME	CLASS/SUBCLASS	FILING DATE IF APPROPRIATE
	4,707,858	11/17/87	Fette	381/43	

FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NO.	DATE	COUNTRY	CLASS/SUBCLASS	TRANSLATION YES NO

OTHER DOCUMENTS

EXAMINER INITIAL	REF NO.	AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.
		Bahl et al., "A Maximum Likelihood Approach to Continuous Speech Recognition," IEEE Transactions on Pattern Analysis and Machine Intelligence, Vol. PAMI-5, No. 2, pgs. 179-190 (March 1983).
		Clarkson et al., "The Applicability of Adaptive Language Modelling for the Broadcast News Task," Proceedings of the Fifth International Conference on Spoken Language Processing, Sydney, Australia, pg. 2 (November 1998).
		Gopalakrishnan et al., "An Inequality for Rational Functions with Applications to Some Statistical Estimation Problems," IEEE Transactions on Information Theory, Vol. 37, No. 1, pgs. 107-113 (January 1991).
		Jelinek, F., "Statistical Methods for Speech Recognition," The MIT Press, Cambridge, MA, Sec. 8.3 re perplexity, pg 2 (1999).
		Printz et al., "Theory and Practice of Acoustic Confusability," Proceedings of the ISCA ITRW ASR2000, pgs. 77-84 (September 18-20, 2000).

Examiner

Date Considered

Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.